



# DENSO Manufacturing Michigan, Inc.

***“Our mission is to protect lives, preserve the planet and prepare a bright future for generations to come.”***

***Nobuaki Katoh  
DENSO Global President and CEO***

# DENSO

## Vital Statistics

***Clean Corporate Citizen  
Since 1998***

***EPA Performance Track Member  
of the Year, 2006***

***ISO14001 Certified Since 1998***

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Production volumes are up, while environmental impacts are down. Continuous improvement is a core value of DENSO Manufacturing Michigan, Inc. (DMMI), a global supplier of advanced automotive engine cooling module (ECM) and heating, ventilation and air conditioning (HVAC) systems in Battle Creek. The 1.4 million-square-foot facility sits on almost 100 acres of land, including native grasses and wildflower areas with a designated Monarch Waystation. DMMI has been a Clean Corporate Citizen and a Michigan Business Pollution Prevention Partner since 1998.

The plant is expanding and producing a higher volume of advanced automotive parts than anytime in DMMI's 26-year history. But since 1999, DMMI has decreased greenhouse gas emissions by 28%. A solid 93% of waste is currently diverted from landfills and 89% of non-hazardous waste is recycled, with a dedication to meeting new, lower targets each year. The DMMI facility continues to annually achieve ISO-4001 certification, a globally recognized and voluntary standard of excellence for environmental management.

## Environmental Highlights

- Recently replaced a gravel roof with white plastic membrane roof, annually saving 250 tons CO2 through heat loss reduction.
- Replaced metal halide overhead lighting with more efficient induction lighting in 950,000 sq. ft. of manufacturing and warehouse space, saving 1,300 tons CO2 annually.
- Reduced volatile organic compound (VOC) air emissions by 25 tons annually through use of oil filtering and recovery, extra-fine dispensing of oil onto product and replacing chemicals with more environmentally-friendly formulations.
- Reuse of reject water from a reverse osmosis process saves 6.3 million gallons of water annually.
- During a recent plant expansion, 50 skylights were installed to decrease energy use, along with the installation of low emission and energy efficient appliances and fixtures.
- Two of the 1,000-plus-degree furnaces used in the plant's manufacturing processes also heat portions of the 1.4 million square foot facility through a waste heat reclamation system. Annual savings are more than 33 million cubic feet of natural gas and 3.9 million pounds of CO2 emissions.



Locally, DMMI is a longtime partner of the Calhoun County Solid Waste Advisory Board and Local Emergency Planning Committee, the City of Battle Creek Wellhead Protection Program and Environmental Policy Committee, and a member of the Southwest Michigan Sustainable Business Forum. DMMI also participates in Adopt-A-Highway, the City of Battle Creek Children's Water Festival, the Global Citizens' River Conservation Day and the local Earth Day Festival.